

## GILA RIVER BASIN

09482330 PUMPING WASH NEAR VAIL, AZ

LOCATION.--Lat 32°04'10", long 110°48'23", SW<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub> sec.3, T.16 S., R.15 E., Pima County, Hydrologic Unit 15050301, at road to pumping station 1.1 mi south of Interstate 10, and 5.7 mi west of Vail.

DRAINAGE AREA.--0.81 mi<sup>2</sup>.

### Annual peak discharges

Water year	Date	Annual peak discharge (ft <sup>3</sup> /s)	Discharge codes	Water year	Date	Annual peak discharge (ft <sup>3</sup> /s)	Discharge codes
1966	08-16-66	90		1974	07-07-74	210	
1967	07-17-67	205		1975	07-00-75	43	
1968	00-00-68	135		1976	09-25-76	9.0	
1969	08-07-69	33		1977	10-22-76	67	
1970	08-00-70	220		1978	10-06-77	90	
1971	07-00-71	337		1979	12-18-78	41	
1972	07-17-72	30		1980	08-24-80	190	
1973	10-05-72	142		1981	07-25-81	195	

Magnitude and probability of instantaneous peak flow based on period of record 1966-81

Discharge, in ft <sup>3</sup> /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2 50%	5 20%	10 10%	25 4%	50† 2%	100† 1%
102	198	274	382	469	560
Weighted skew	(logs) =	-0.31			
Mean	(logs) =	1.99			
Standard dev.	(logs) =	0.36			

† Reliability of values in column is uncertain, and potential errors are large.

### Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
57.7	2.3	3,010	0.0	1.0	11.2	1.8	3.9

